



an Open Access Journal by MDPI

## Design and Synthesis of Three-Dimensional Hybrid Organic-Inorganic Structures

Guest Editor:

**Prof. Dr. Edward Sztyk**

Faculty of Chemistry, Nicolaus  
Copernicus University in Torun,  
87-100 Torun, Poland

Deadline for manuscript  
submissions:

**closed (20 May 2022)**

### Message from the Guest Editor

Dear Colleagues,

Research on Hybrid Organic-Inorganic Structures has been developed for the last decade due to the impact of the new structures on technological development of materials for optoelectronics, luminescence sensors, or medicine materials and biopolymers. In this Special Issue, recent developments within the field of 3D organic-inorganic structures and structural characterization will be presented. Submissions will be welcomed across a broad range of material systems, with the special interest on characterization focusing on fabrication development and novel applications.

It is my pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications and reviews are all welcome. The topics of interest include, but are not limited to:

- 3D inorganic networks
- MOF structures and characteristics
- hybrid layers with designed properties for opto-materials
- crystal engineering
- molecular crystals for luminescence
- inorganic structures for personalized medicine
- precursors for 3D structures
- methods of 3D structures fabrications



[mdpi.com/si/53763](https://mdpi.com/si/53763)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

## Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)